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United States Patent [19]**Friedheim**[11] **Patent Number:** **5,471,556**[45] **Date of Patent:** **Nov. 28, 1995****[54] SUPERHEATED VAPOR GENERATOR AND CONTROL SYSTEM AND METHOD****[76] Inventor:** Max Friedheim, P.O. Box 99838, San Diego, Calif. 92169**[21] Appl. No.:** 93,071**[22] Filed:** Jul. 16, 1993**[51] Int. Cl.:** F22B 1/02; F22B 1/28**[52] U.S. Cl.:** 392/399; 392/396**[58] Field of Search:** 392/399, 401-406, 392/396; 122/40; 38/77.9, 77.6**[56] References Cited****U.S. PATENT DOCUMENTS**

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Primary Examiner—Teresa J. Walberg.
Attorney, Agent, or Firm—Joseph R. Evans**[57] ABSTRACT**

A superheated vapor generator and control system includes a vapor generator having an interior vapor generating chamber with peripheral surfaces having a plurality of ridges and grooves, preferably of substantially randomly varying heights and depths and preferably having a plurality of grooves and ridges intersecting the first-mentioned grooves and ridges, the second-mentioned ridges and grooves preferably varying substantially randomly in height and depth. A hand-held control member includes parts for controlling generation of superheated vapor and for directing such vapor to desired objects. A method for fabricating a superheated vapor generator includes machining inner portions of sections of heat conductive material to form grooves and ridges and then welding the parts together to form a closed interior vapor generation chamber.

41 Claims, 6 Drawing Sheets

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